INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/09726

A. CLASSIFICATION OF SUBJECT MATTER IPC: G01B 9/02(2006.01)						
USPC: 356/502; 73/655,657 According to International Patent Classification (IPC) or to both national classification and IPC						
B. FIELI	B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) U.S.: 356/502; 73/755						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched EAST						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)						
C. DOCI	JMENTS CONSIDERED TO BE RELEVANT	·-·	· · · · · · · · · · · · · · · · · · ·			
Category *	Citation of document, with indication, where ap		Relevant to claim No.			
Α	US 6,008,906 A (Maris) 28 December 1999 (28.12.)	1999), column 3, 40+	1-17			
A	US 4,046,477 A (Kaule) 6 September 1977 (6.09.19	77), column 4, lines 10+.	1-17			
A	US 5,546,187 A (Pepper et al.) 13 August 1996 (13.	08.1996), Figure 2.	1-17			
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Further	documents are listed in the continuation of Box C.	See patent family annex.				
• S	pecial categories of cited documents:	"T" later document published after the inte date and not in conflict with the applic				
	defining the general state of the art which is not considered to be	principle or theory underlying the inve				
·	lar relevance plication or patent published on or after the international filing date	"X" document of particular relevance; the considered novel or cannot be considered when the document is taken alone				
establish (specified)		"Y" document of particular relevance; the considered to involve an inventive step combined with one or more other such	when the document is a document, such combination			
	referring to an oral disclosure, use, exhibition or other means	being obvious to a person skilled in the				
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent				
Date of the a	ctual completion of the international search	Date of mailing of the international search	in report			
	06 (02.03,2006)	Authorized officer 2006	-//			
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents		Andrew Hwa S. Lee Millimis as Car Con				
		Telephone No. 571-272-2800				
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Form PCT/ISA/210 (second sheet) (April 2005)

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Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)			
This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:			
1.		Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:	
2.		Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically: Please See Continuation Sheet	
3.	\boxtimes	Claims Nos.: 3-17 because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).	
Box	No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)	
This International Searching Authority found multiple inventions in this international application, as follows:			
	, L		
1.	1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.		
2. As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite			
3.	payment of any additional fees. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:		
No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:			
Remark on Protest The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.			
-		The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.	
		No protest accompanied the payment of additional search fees.	

INTERNATIONAL SEARCH REPORT	International application No. PCT/US05/09726			
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Continuation of Box II Reason 2: Claims 3-17 are objected to under PCT Rule 66.2(a)(v) as lacking clarity under PCT Article 6 because claims 3-17 are indefinite for the following reason(s): Each claim is dependent on "any previous claim" which results in limitations that contradicts the previous claim. For example, claim 4 recites that the laser operates at or around 1.064 microns, yet previous claim 2 recites that the laser operates at or around 1.5 micron or 1.064 micron. Furthermore, the use of "at or around is vague and indefinite. What entails "at or around"? Is 6.5 micron's at or about 1.064 micron?				
The same contradiction applies to claims 6 and 7. For claim 7 which can depend on claim 6, does the laser source include an electro- optic modulator in addition to the Mach Zehnder modulator of claim 6? The same contradiction applies to the rest of the claims.				
As for claim 17, the method lacks any positive novel step.				
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